Figure 1 A

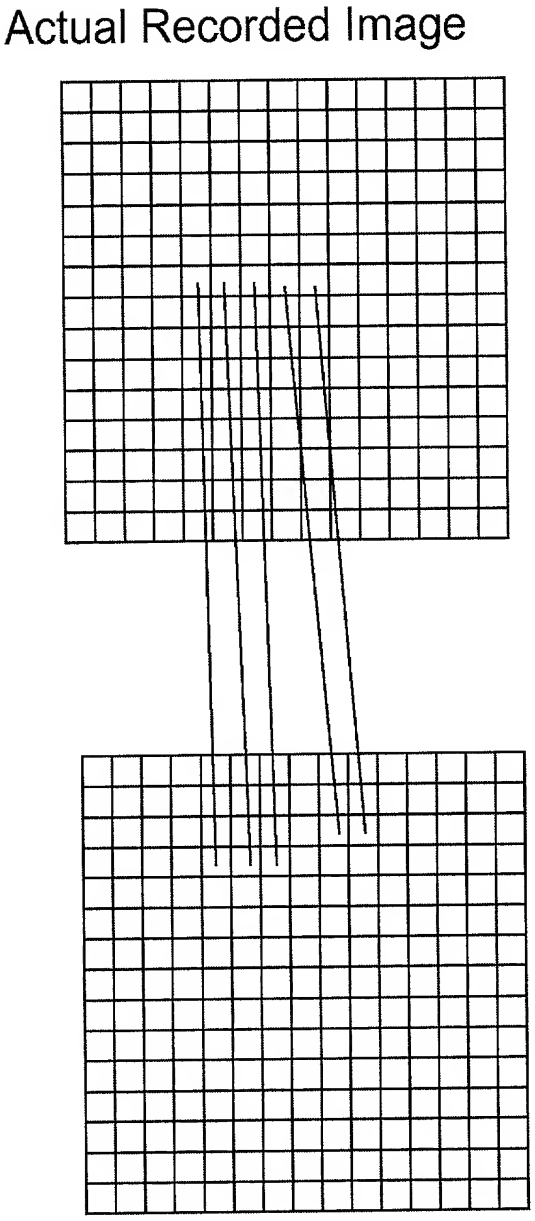

Actual Recorded Image
Predictively Distorted Image
That is Displayed to Operator

Figure 1B

SUBSTITUTE SHEET

Figure 2 A

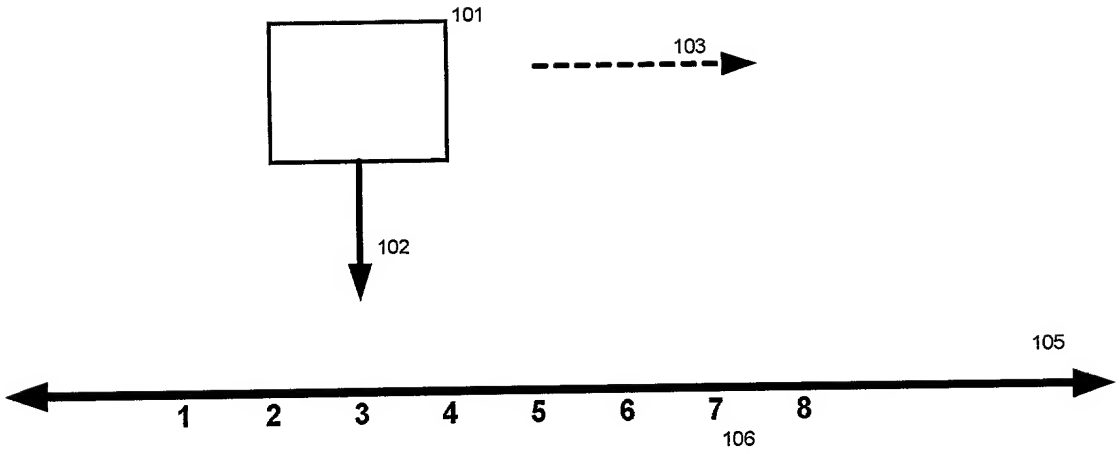


Figure 2 B

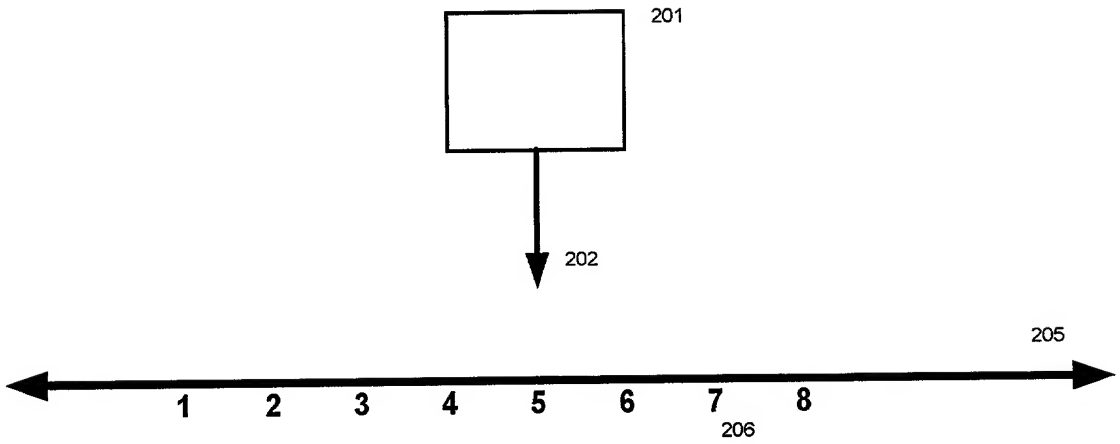


Figure 3

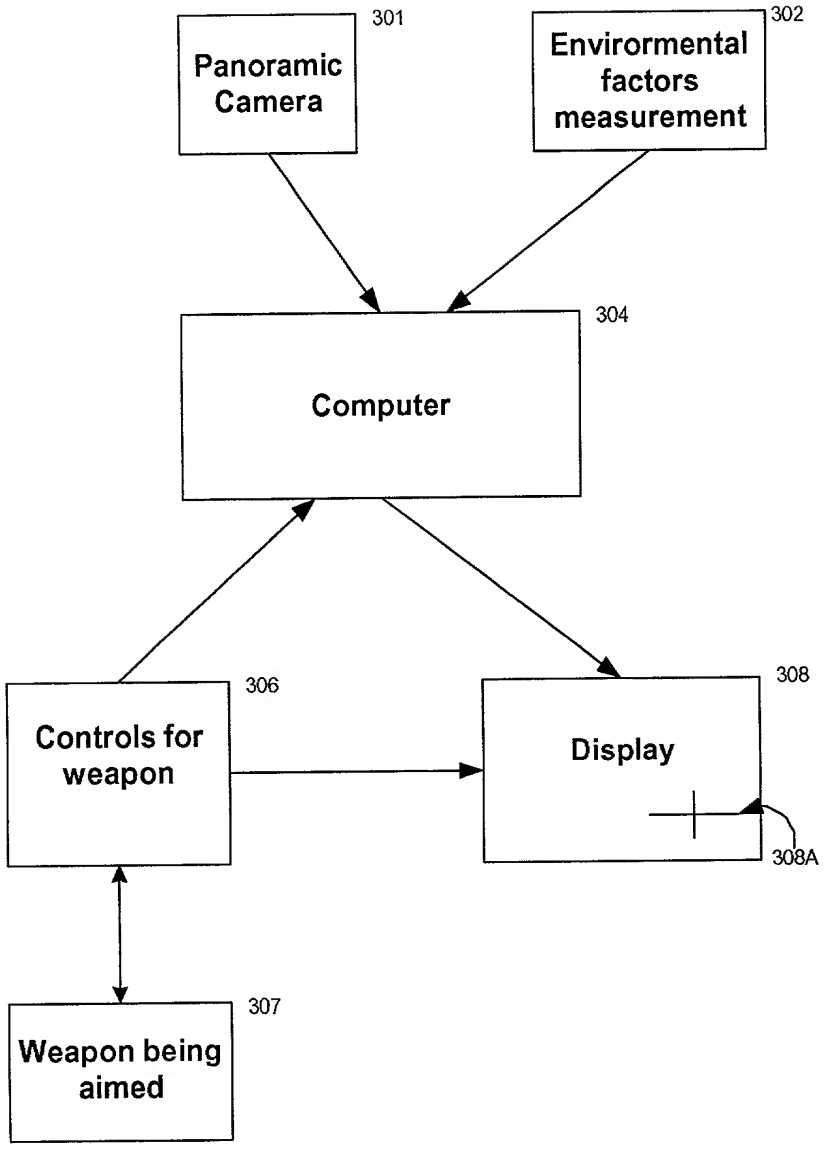
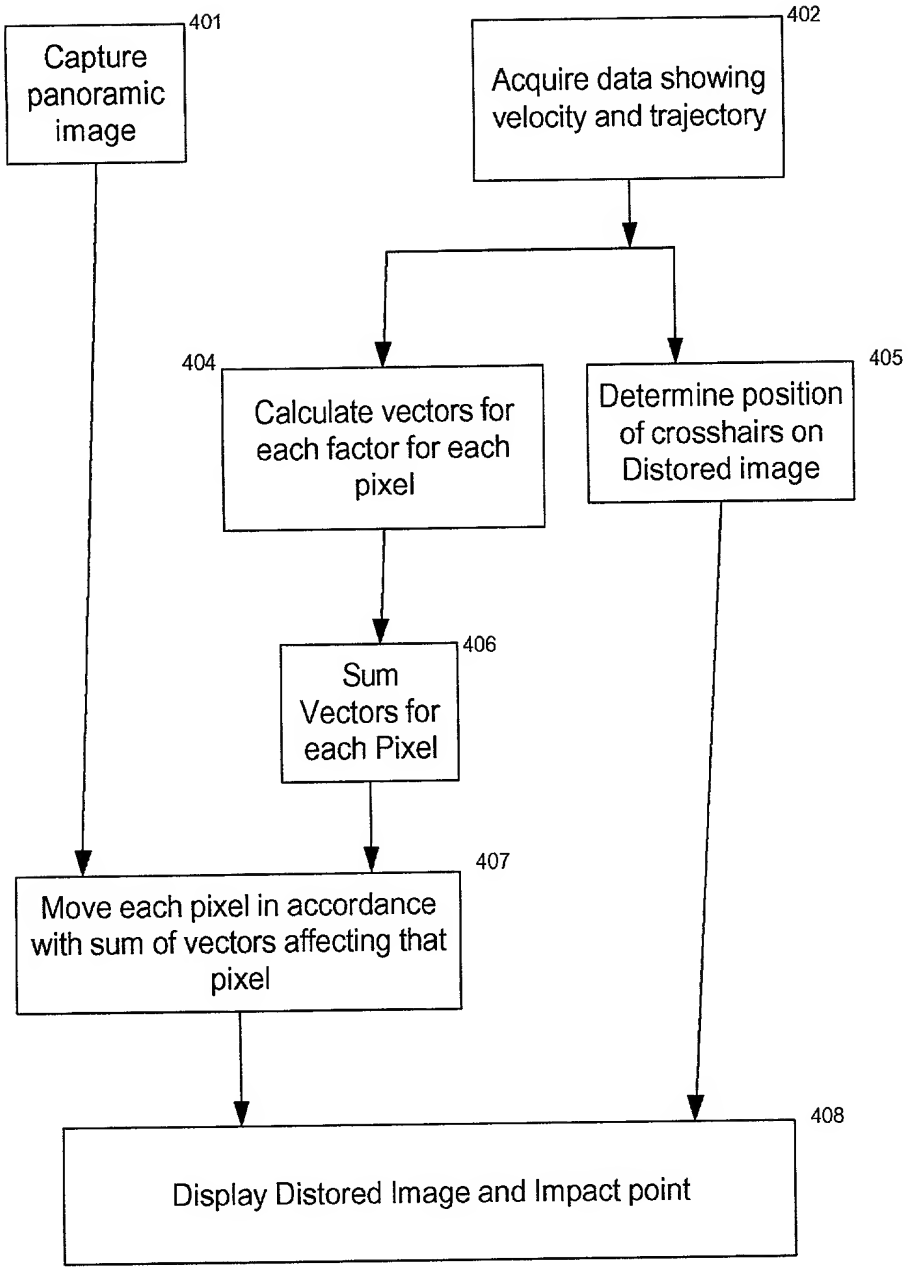

Panoramic Camera
301
Envirormental factors measurement
302
Computer
304
Controls for weapon
306
Display
308
308A
Weapon being aimed
307

Figure 4


401
Capture panoramic image
402
Acquire data showing velocity and trajectory
404
Calculate vectors for each factor for each pixel
405
Determine position of crosshairs on Distored image
406
Sum Vectors for each Pixel
407
Move each pixel in accordance with sum of vectors affecting that pixel
408
Display Distored Image and Impact point